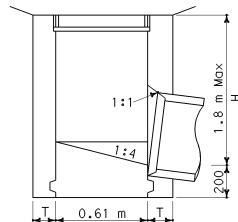
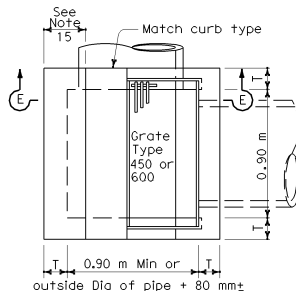


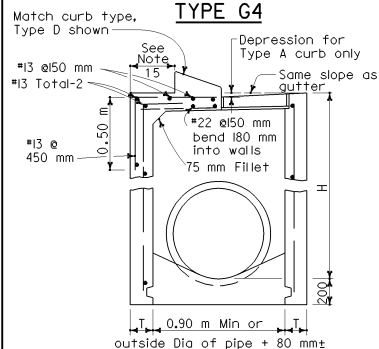
TYPE G1



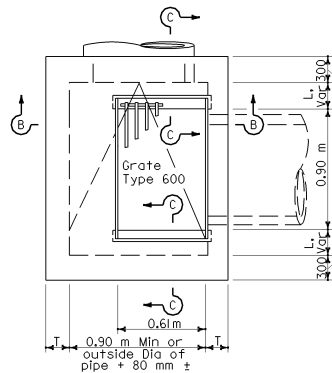
SECTION A-A



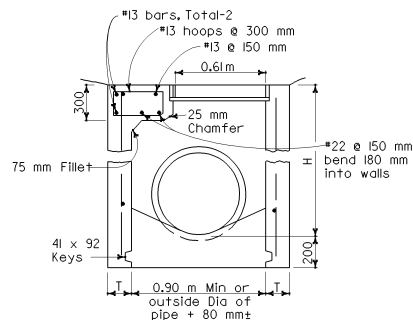
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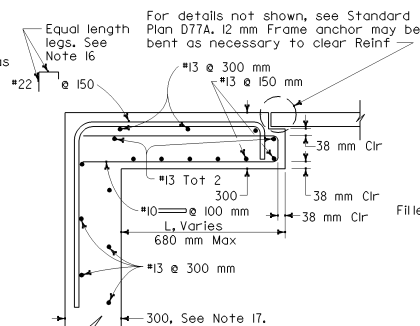
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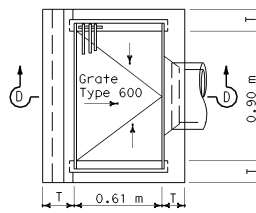
TYPE G2



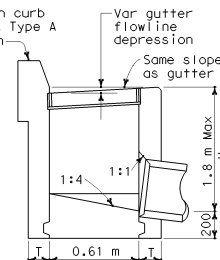
SECTION B-B



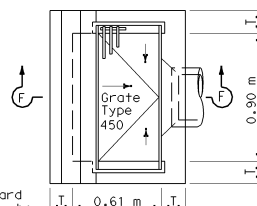
SECTION C-C



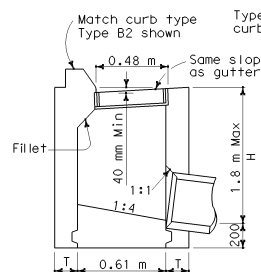
TYPE G3



SECTION D-D



TYPE G5



SECTION F-F

NOTES

- "H" is the difference in elevation between the outlet pipe flow line and the normal gutter grade line undepressed.
- For "T" wall thickness, see Table A below.
- Wall reinforcing not required when "H" is 2.5 m or less and the unsupported width or length is 24 m or less. Walls exceeding these limits shall be reinforced with #13 bars @ 450 mm ± centers placed 40 mm clear to inside of box unless otherwise shown.
- Inlet bottom reinforcing not required. See Standard Plan D74C for alternative reinforced bottom and alternative half round bottom.
- Steps-None required where "H" is less than 0.75 m. Where "H" is 0.75 m or more, install steps with lowest rung 300 mm above the floor and highest rung not more than 150 mm below top of inlet. The distance between steps shall not exceed 300 mm and shall be uniform throughout the length of the wall. Place steps in the wall without an opening. Steps inserts may be substituted for the bar steps. Step inserts shall comply with State Industrial Safety requirements. See Standard Plan D74C for step details.
- Details shown apply to both metal and concrete pipe.
- Pipe(s) can be placed in any wall.
- Curb section shall match adjacent curb.
- Basin floors shall have wood trowel finish and a minimum slope of 1/4 from all directions toward outlet pipe.
- Galvanizing-See Standard Specifications or Special Provisions.
- Cast-in-place or Precast alternative is optional with contractor. See Standard Specifications.
- Set inlet so that grate bars are parallel to direction of principal surface flow.
- See Standard Plans D77A and D77B for grate and frame details and masses of miscellaneous iron and steel.
- See Standard Plan D78 for gutter depression details.
- This dimension will vary with different grates, curbs types, box width and wall thickness.
- Bar may be rotated as necessary to clear opening. Where "L" is 150 mm or less, bar may be omitted.
- Where "L" is 150 mm or less, wall thickness shall be as shown in Table A.
- Cast-in-place inlets to be formed around all pipes/stubs intersecting the inlet, and concrete poured in one continuous operation. Precast inlets shall have mortared connections conforming to details for Type GCP Inlet shown on Standard Plan D75B. See Standard Specifications for mortar composition.

TABLE A

Type	CONCRETE QUANTITIES			
	H=0.90 m to 2.50 m (T=150 mm)	H=2.51 m to 6.00 m (T=200 mm)	H=2.51 m to 6.00 m (T=200 mm)	H=2.51 m to 6.00 m (T=200 mm)
	H=0.90 m (m ³)	Additional PCC per meter (m ³)	H=2.51 m (m ³)	Additional PCC per meter (m ³)
G-1	0.69	0.55	(1)	(1)
G-2*	1.01	0.63	3.32	1.14
G-3	0.75	0.55	(1)	(1)
G-4* (Type 600)	0.93	0.63	2.67	0.88
G-4* (Type 450)	0.95	0.63	2.69	0.88
G-5	0.75	0.55	(1)	(1)
G-6	0.76	0.55	(1)	(1)

(1) Maximum allowable height 1.8 m. Table based on 200 mm floor slab. No deductions are to be made to these quantities because of pipe openings, different floor alternatives or different curb types. *Quantities for Type G-2 and G-4 inlets based on the minimum interior dimensions shown.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DRAINAGE INLETS

NO SCALE

ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN

D73



DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET TOTAL NO. SHEETS

REGISTERED CIVIL ENGINEER
Glenn DeCau
No. C34547
July 1, 2004
PLANS APPROVAL DATE
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